

Amendments

In accordance with 37 CFR §1.121 and 37 CFR §1.116, please amend the above-identified application as set forth below.

Amendments to the Claims:

Please amend the claims as set forth below.

23 – 41. (Cancelled)

42. (Currently Amended) An osteal implant comprising:

a post, said post having a first end and a second end;

said first end having a mount for a device to be implanted;

said second end being attached to a base;

said base being substantially orthogonal to said post in at least two non-parallel directions, said base being substantially planar; at least one of a top surface or a bottom surface of said base having a first height at a first radial distance from said post and a second height at a second radial distance from said post;

said first height being maintained through at least two directions radial to said post; and

said second height being maintained through at least two directions radial to said post.

43. (New) The implant of claim 42 wherein said first height is maintained through an arc between said at least two directions radial to said post.

44. (New) The implant of claim 42 wherein said first height and second height alternate periodically.

45. (New) The implant of claim 42 wherein said first height and second height alternate said alternation comprising corrugation.

46. (New) The implant of claim 42 wherein at least one of said height has a sharp edge.

47. (New) The implant of claim 42 further comprising a third height, said third height being a different radial distance from said post than either said first height or said second height.

48. (New) The implant of claim 42 wherein at least one of said heights varies in said radial direction to comprise a spiral.

49. (New) The implant of claim 42 wherein at least one of said heights comprise a plurality of bowl like depressions.

50. (New) The implant of claim 42 wherein said heights vary in a range from about 0.05 millimeters to about 0.25 millimeters.

51. (New) The implant of claim 42 wherein said base has an outer perimeter and said outer perimeter includes at least three substantially straight edges.

52. (New) The implant of claim 42 having a lateral insertion direction and wherein said first and second height comprise barbs oriented to resist extraction of said implant in a direction opposite said direction of insertion.

53. (New) The implant of claim 42 wherein said at least one of said heights comprises ridges, said ridges being curvilinear and concave to a direction of insertion and substantially vertical on a base oriented substantially opposite from the direction of insertion.

54. (New) The implant of claim 42 wherein at least one of said first height or said second height repeat and vary in extent radially.

55. (New) The implant of claim 42 wherein said second height is at a marginal zone of said base, said marginal zone being substantially along a height of a periphery of said base.

56. (New) The implant of claim 55 wherein said marginal zone varies in radial distance from said post.

57. (New) The implant of claim 55 wherein said marginal zone comprises reentrant angles.

58. (New) An osteal implant comprising a post, said post having a first end and a second end;

said first end having a mount for a device to be implanted;

said second end being attached to a base;

said base being substantially orthogonal to said post in at least two non-parallel directions;

said base having a first thickness at a first radius in two radial directions and said base having a second thickness at a second radius, said second radius being wider than said first radius in at least one direction.

59. (New) The implant of claim 58 wherein said first radius varies with its direction.

60. (New) The implant of claim 58 wherein said first thickness varies.

61. (New) The implant of claim 58 further comprising a direction of insertion, and a first distance between said first radius and said second radius being greater than a second distance between said first radius and said second radius when said first distance is closer to the direction of insertion.

62. (New) The implant of claim 58 further comprising a direction of insertion and a first distance between said first radius and said second radius being greater than a second distance between said first radius and said second radius when said first distance is substantially in said direction of insertion.

63. (New) The implant of claim 58 further comprising a direction of insertion, wherein a first distance between said first radius and said second radius is greater than a second distance between said first radius and said second radius in the direction of insertion and in at least one direction substantially perpendicular to said direction of insertion.

64. (New) The implant of claim 58 further comprising a direction of insertion and further comprising a leading edge facing said direction of insertion and a trailing edge facing away from said direction of insertion and having a first distance between said first radius and said second radius being greater than a second distance between said first radius and said second radius on said trailing edge.

65. (New) The implant of claim 58 further comprising a trailing edge away from a direction of insertion, said trailing edge providing a wider distance between said first radius and said second radius.

66. (New) The implant of claim 65 wherein said wider distance between said first radius and said second radius is adapted to collect bone particles.